

ABSTRACT

This invention is a surge material having permanent storage properties that results in faster intake and greater saturation capacity and reduced fluid flowback. More specifically the invention is a surge material with a superabsorbent material printed on in a pattern of discrete regions. The objective of the invention is obtained by printing, or other known application process, a liquid superabsorbent precursor solution containing a crosslinkable composition onto a surge material and then curing the printed surge material to crosslink the polymers to get a surge material having discrete regions of superabsorbent material in the surge material. This invention is also useful in making an absorbent core of an absorbent article with improved strength, increased absorbency, and decreased shedding of superabsorbent material.